

Amendments to the Claims:

Please add the following new claim.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (previously presented) An ultrasound probe comprising: a plurality of transducers for transmitting and receiving an ultrasound respectively located in correspondence with adjacent positions of transmission and reception; and a flexible circuit board of at least one layer located in correspondence with said positions of transmission and reception, in which signal lines for supplying a transmission signal and for extracting a reception signal to/from said positions are installed in a longitudinal direction of the transducers at a predetermined angle, wherein the flexible circuit board has slits dividing signal lines into sections at each of said positions at a predetermined angle, and each section of the flexible circuit board divided by the slits is spirally wound.

2. (previously presented) An ultrasound probe according to claim 1, wherein a member is provided around each spirally wound section of the flexible circuit board.

3. (previously presented) An ultrasound probe according to claim 2, wherein said member is made of an insulating material covering the circumference of each section of the flexible circuit board, and a first shield material, or an insulating material to which a layer of metallic powder is evaporated, covers the circumference of each part.

4. (previously presented) An ultrasound probe according to claim 2, wherein said member is a single second shield material or a protection material covering an outer circumference of bundled sections of the flexible circuit board, or a protection material to which a layer of metallic powder is evaporated on its surface.

5. (previously presented) An ultrasound probe according to claim 3, wherein said member includes a single second shield material or a protection material covering the outer circumference of bundled sections of the flexible circuit board, or a protection material to which a layer of metallic powder is evaporated on its surface.

6. (previously presented) An ultrasound probe according to claim 4, wherein the protection material is in the form of a flexible tube.

7. (previously presented) An ultrasound probe according to claim 4 or claim 5, wherein the protection material covers the outer circumference of bundled sections of the flexible circuit board, which has a stiff section and a flexible section.

8. (previously presented) An ultrasound probe according to claim 3, wherein said member includes a single second shield material covering the outer circumference of bundled sections of the flexible circuit board and a protection material installed inside or outside the second shield material, or a protection material to which a layer of metallic powder is evaporated on its surface.

9. (previously presented) An ultrasound probe according to claim 2, wherein a signal line is provided on one layer of a two-layer flexible circuit board, and a ground line is provided on the other layer.

10. (new) An ultrasound probe according to claim 1, wherein the ultrasound probe is an intracavitary ultrasound probe.